



# Hercules®-Plus RetroDrain® with Vortex Breaker Strainer™

## PRODUCT DATA SPECIFICATIONS

### PRODUCT DESCRIPTION

The OMG Hercules-Plus RetroDrain features the OMG vortex breaker technology integrated into the cast aluminum strainer dome. With vortex breaker technology, the Hercules-Plus can provide up to 2.5 times greater water flow, compared to the existing Hercules drain, which means that water and excessive weight can leave the roof quickly.

In addition to faster water flow off the roof, the vortex breaker can greatly reduce "chugging" which can damage plumbing systems.

The OMG Hercules-Plus RetroDrain features a one-piece spun aluminum body and heavy duty cast aluminum clamping ring for strength and durability. The drain flange has a depressed sump area to facilitate water drainage and the original U-Flow® Seal offers a mechanical watertight connection to PVC or cast iron pipes to prevent water from backup damage.

### FEATURES & BENEFITS

- Up to 2.5 times greater water flow vs. standard Hercules Drains so water and excessive dead load weight can get off the roof faster.
- Safety yellow design stands out on the roof and helps protect from accidental damage.
- The strainer and clamping ring are made of heavy duty cast aluminum for strength, durability and long life on the roof.
- One piece seamless aluminum body provides strength and durability without separation of the flange from the stem.
- Extra large flange allows positive attachment of roof flashing membrane while the sump area facilitates drainage.
- Simple and easy to install from rooftop without disturbing building occupants.
- 12-inch long drain stem accommodates most existing field conditions. Custom lengths available.

- Incorporates the original U-Flow Seal which exceeds the ANSI/SPRI Standard for back-flow pressure.
- Optional copper drains and TPO or PVC coated flange available for direct membrane attachment.

### APPROVALS & STANDARDS



**ANSI/SPRI RD-1** – developed by SPRI (Sheet membrane and component suppliers to the commercial roofing industry), a certified canvasser of ANSI (American National Standards Institute), and features a test protocol designed to assure a leak-free connection to existing plumbing.



**ULC/ORD-C790.4** – developed by Underwriters' Laboratories of Canada and features a test protocol designed to assure a leak-free connection to existing plumbing and impact testing to provide strength.

### PHYSICAL DATA

DRAIN BODY		SEAL	
11 Ga. (.125") spun aluminum		Watertight U-Flow mechanical seal requires U-Flow screwdriver	
FLANGE		STRAINER DOME	
17 1/2" diameter with sump area		Yellow Vortex Breaker made of cast aluminum	
STEM		CLAMP RING	
12" length		Cast aluminum	



### ORDERING INFORMATION

CAT. NO.	SIZE IN	DESCRIPTION	PKG	DIMENSIONAL
				WEIGHT LBS
HDAL3V	3	Standard	Each	27
HDAL4V	4	Standard	Each	27
HDAL5V	5	Standard	Each	27
HDAL6V	6	Standard	Each	27
HDTPO3V	3	TPO Coated Flange	Each	27
HDTPO4V	4	TPO Coated Flange	Each	27
HDTPO5V	5	TPO Coated Flange	Each	27
HDTPO6V	6	TPO Coated Flange	Each	27
HDPVC3V	3	PVC Coated Flange	Each	27
HDPVC4V	4	PVC Coated Flange	Each	27
HDPVC5V	5	PVC Coated Flange	Each	27
HDPVC6V	6	PVC Coated Flange	Each	27
HDCUC3V	3	Copper	Each	27
HDCUC4V	4	Copper	Each	27
HDCUC5V	5	Copper	Each	27
HDCUC6V	6	Copper	Each	27



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## PERFORMANCE CHART

FLOW RATE OF HERCULES DRAINS (GPM) WITH OMG VORTEX BREAKER				
HEAD OF WATER (IN)	3-in. HERCULES PLUS	4-in. HERCULES PLUS	5-in. HERCULES PLUS	6-in. HERCULES PLUS
1	30	43	35	28
2	74	76	94	110
3	110	188	149	243
4	138	299	295	597

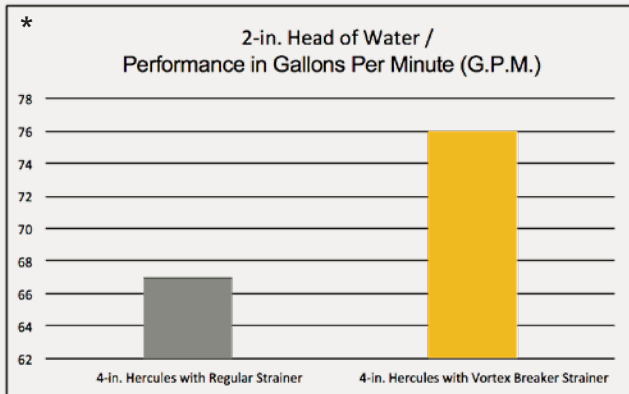
Flow performance is influenced by various factors such as the transition radius and seal sizing variations, and is not linear across all drain sizes due to the one size fits all design of the strainer.

Tested by an independent test laboratory in accordance to ASPE/IAPMO/ANSI Z1034-2015 Test Method for Evaluating Roof Drain Performance and conducted in accordance with Section 4.1 Vertical-Pipe Roof-Drain Test.

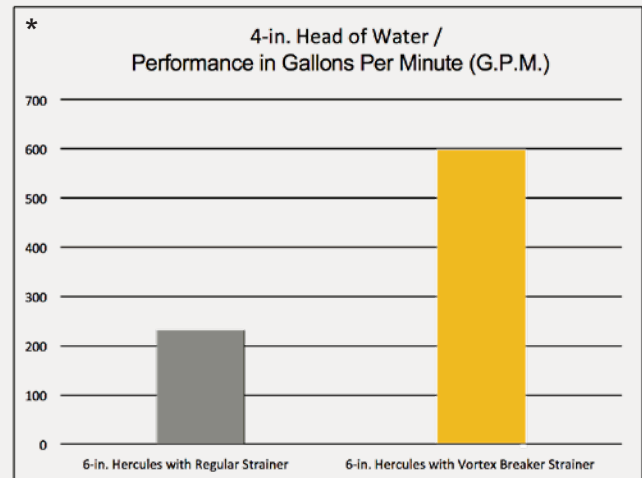
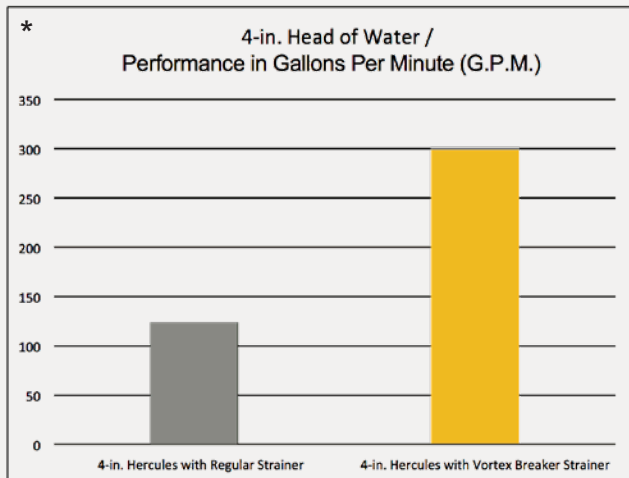
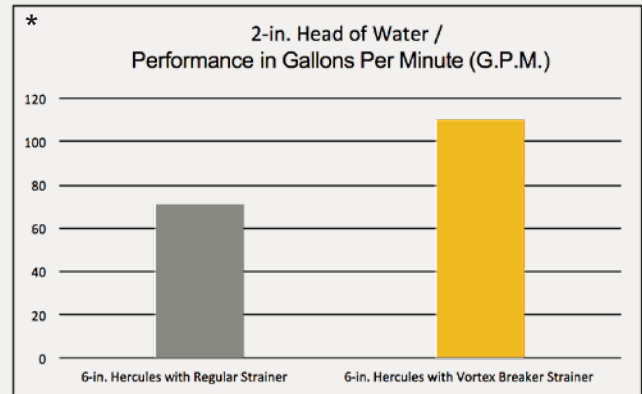
## IMPROVED FLOW

Below is a chart showing some comparisons between Hercules Drains with and without the vortex breaker technology. Complete data is available by contacting OMG Roofing Products.

### 4-IN. HERCULES VS. HERCULES-PLUS



### 6-IN. HERCULES VS. HERCULES-PLUS



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## ROOFING PRODUCTS

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